

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-39 (Canceled)

Claim 40 (New): A display system comprising:
a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the low driver,
wherein the CPU comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a thickness of the first gate insulating film is smaller than that of the second gate insulating film.

Claim 41 (New) A display system according to claim 40, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 42 (New): A display system according to claim 40, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 43 (New): A display system comprising:
a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a row driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the row driver,
wherein the CPU comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a thickness of the first gate insulating film is 80% or less of that of the second gate insulating film.

Claim 44 (New): A display system according to claim 43, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 45 (New): A display system according to claim 43, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 46 (New): A display system comprising:

a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the low driver,
wherein the CPU comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a width of the first gate electrode is smaller than that of the second gate electrode.

Claim 47 (New): A display system according to claim 46, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 48 (New): A display system according to claim 46, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 49 (New): A display system comprising:

a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and

an active matrix circuit connected to the column driver and the low driver,
wherein the CPU comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a width of the first gate electrode is 80% or less of that of the second gate electrode.

Claim 50 (New): A display system according to claim 49, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 51 (New): A display system according to claim 49, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 52 (New): A display system comprising:
a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the low driver,
wherein the memory comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,

wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,

wherein a thickness of the first gate insulating film is smaller than that of the second gate insulating film.

Claim 53 (New): A display system according to claim 52, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 54 (New): A display system according to claim 52, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 55 (New): A display system comprising:

a CPU formed over a substrate;

a memory connected to the CPU;

an X-Y branch connected to the CPU;

a column driver connected to the X-Y branch;

a low driver connected to the X-Y branch; and

an active matrix circuit connected to the column driver and the low driver,

wherein the memory comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,

wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,

wherein a thickness of the first gate insulating film is 80% or less of that of the second gate insulating film.

Claim 56 (New): A display system according to claim 55, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 57 (New): A display system according to claim 55, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 58 (New): A display system comprising:
a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the low driver,
wherein the memory comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a width of the first gate electrode is smaller than that of the second gate electrode.

Claim 59 (New): A display system according to claim 58, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 60 (New): A display system according to claim 58, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.

Claim 61 (New): A display system comprising:
a CPU formed over a substrate;
a memory connected to the CPU;
an X-Y branch connected to the CPU;
a column driver connected to the X-Y branch;
a low driver connected to the X-Y branch; and
an active matrix circuit connected to the column driver and the low driver,
wherein the memory comprises a first semiconductor layer, a first gate insulating film on the first semiconductor layer, and a first gate electrode on the first gate insulating film,
wherein the active matrix circuit comprises a second semiconductor layer, a second gate insulating film on the second semiconductor layer, and the second gate electrode formed on the second gate insulating film,
wherein a width of the first gate electrode is 80% or less of that of the second gate electrode.

Claim 62 (New): A display system according to claim 61, wherein the display system is selected from the group consisting of a liquid crystal display system, a electroluminescence display system and an electrochromic display system.

Claim 63 (New): A display system according to claim 61, wherein the display system is incorporated into an electronic equipment selected from the group consisting of a camera, a portable personal computer, a projector and a car navigation system.